

**MATH 251: FALL 2008**  
**Calculus I**  
**Syllabus**

Professor: Dr. Cheryl Beaver  
 Office: MNB 123  
 Web Page: [www.wou.edu/~beaverc](http://www.wou.edu/~beaverc)

Phone: 503-838-8404  
 Email: [beaverc@wou.edu](mailto:beaverc@wou.edu)

**CLASS MEETS**

MWF: 11:00 – 11:50 a.m. MNB 104 & R: 10:00 – 11:50 a.m. MNB 110

**Final Exam: Monday December 8, 10-12 noon**

Time	Mon	Tue	Wed	Thu	Fri
8:00				Office Hour	
9:00	346 (MNB 110)		346 (MNB 110)	346 (MNB 110)	346 (MNB 110)
10:00				251 (MNB 110/104)	
11:00	251 (MNB 104)		251 (MNB 104)		251 (MNB 104)
12:00	396 (MNB 103)		396 (MNB 103)		
1:00		Office Hours			
2:00					
3:00	Office Hour		Office Hour		
4:00					

Please feel free to drop by my office during my office hours for help. You do not need to make an appointment to come to office hours. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course. If you have direct scheduling conflicts with my office hours and would like further help, please let me know.

**COURSE PREREQUISITE**

Math 112 with a grade of C- or better.

**REQUIRED COURSE MATERIALS**

**Text:** *Single Variable Calculus: Concepts & Contexts (3<sup>rd</sup> Edition)*, Stewart

**Calculator:** A TI-83 or TI-84 scientific calculator is required for this course.

Please see me if you are buying a new calculator.

**OTHER COURSE MATERIALS**

**Maple Software:** Maple is required to complete your labs for this course and is available on University computers. If you are interested in purchasing a student version for your home use, you have the option to do so via the maplesoft website. The class homepage will have a link to this site. Use promotion code AP44061.

**Course Content and Goals:** This is a first course in Calculus and focuses on differentiation theory for functions of one variable. The main topics covered will be a review of functions, the derivative, differentiation, and some applications of the derivative. The main goals of the course will be:

- Gaining an understanding of differential calculus and its implications
- Developing an appreciation of the power of calculus to solve real-life problems

### **Time Spent on Math 251 Outside of Class**

It is a standard academic rule of thumb to spend two to three hours out of class for every hour in class while studying mathematics or science. This is a 200 level, 5 credit mathematics course and you should expect to spend 10 to 15 hours per week outside of class studying and working on the content of Math 251. Set up a regular schedule for yourself and stick with it. Success in mathematics is directly linked to effort and regular practice.

**Homework:** Homework is very important to this course and much of your understanding of the concepts will come from working out the problems and reading the text. Homework from the text will be assigned almost daily. You will be most successful if you work on your assigned homework as soon as possible. The material will be fresh and you will prepare yourself for subsequent classes. If you miss a class it is your responsibility to get the homework assignment. Selected problems will be graded. Homework problems will be posted on the class website.

**Quizzes:** Quizzes will be given every Thursday during the first 15 minutes of lab during weeks 2-10 except during the week of an exam. Missed quizzes may NOT be made up. Your lowest quiz score will be dropped. Cell phones must be turned off during a quiz.

**Lab Problems:** On Thursdays we will meet for a two hour lab session. During these times you will receive in-depth lab problems many of which require you to use Maple software. Labs assigned on Thursday will generally be due on Monday of the following week.

**Late homework:** Homework is due by 4:30pm on its due date. Any homework not turned in by this time is considered late. An assignment may be turned in by the end of one class day late for 75% credit or 2 class days late for 50% credit. Homework turned in later than 2 class days late will NOT receive credit. Consistently turning in late homework will have a very detrimental effect on your grade.

**Exams:** There will be two midterm exams and a final exam. The exams are tentatively scheduled for Week 4 (10/23) and Week 8 (11/20) of the term. Missed exams may not be made up except in rare cases with prior notification and my approval. Cell phones must be turned off during exams.

**Attendance:** Attendance is very important in this class. You are responsible for all material covered in class, for obtaining all material distributed in class, and for knowing every change in either a homework assignment or exam schedule change announced in class.

**Grading:** Grades will be based on the following.

Homework: 20%

Quizzes: 15%

Lab Problems: 15%

2 Midterm Exams: 30% (15% each)

Final Exam: 20%

**Standard Grading Scale for this Course:**

<b>% Range</b>	<b>Grade</b>	<b>% Range</b>	<b>Grade</b>	<b>% Range</b>	<b>Grade</b>
93 – 100	A	80 – 82	B-	60 – 69	D
90 – 92	A-	77 – 79	C+	Below 60	F
87 – 89	B+	73 – 76	C		
83 – 86	B	70 – 72	C-		

**Success:** To succeed in this course it is very important to attend class, read the book and complete with understanding your homework and projects. I encourage you to attend office hours and have regular discussions with classmates.

**Appropriate Classroom Behavior**

You are ultimately responsible for your own attendance and performance. Disruptive classroom behavior of any kind, such as talking during lecture or consistently coming to class late etc., is not appropriate. Proscribed Conduct for all students is described in the University Catalog. In particular for this course any student found cheating on an exam or copying from another student's exam paper will receive a zero score on that exam.

**Learning Disabilities**

If you have a documented learning disability, please talk to me during the first few days of class, I will be more than happy to accommodate you in any way that I can. If you have a documented disability which requires any academic accommodations, you must go to the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can drop by APSC 405 or contact ODS at (503) 838-8250 to schedule an appointment.

**Incomplete Policy**

An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing the course.